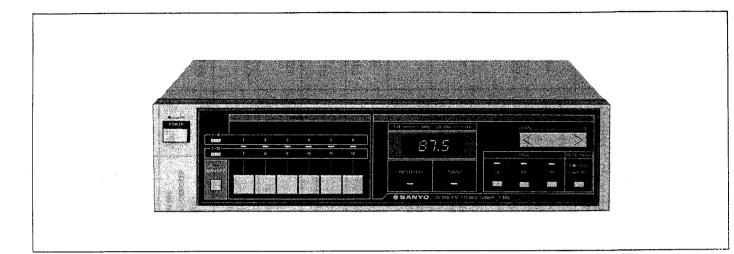
## SERVICE MANUAL

# AM/FM STEREO TUNER



**T30L** 

(EUROPE)



### **SPECIFICATIONS**

Frequency range . . . . . . . . . . . . . . . . . 87.5 — 108 MHz (0.05 MHz steps)

Stereo separation (1 kHz) . . . . . . . . . . . 45 dB IF rejection . . . . . . . . . . . . . 65 dB

## AM(LW/MW) section

Signal to noise ratio (5 mV/m)  $\dots$  MW: 40 dB Selectivity  $\dots$  MW: 30 dB

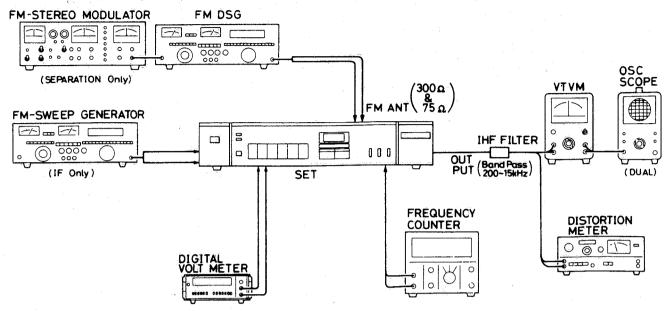
#### General

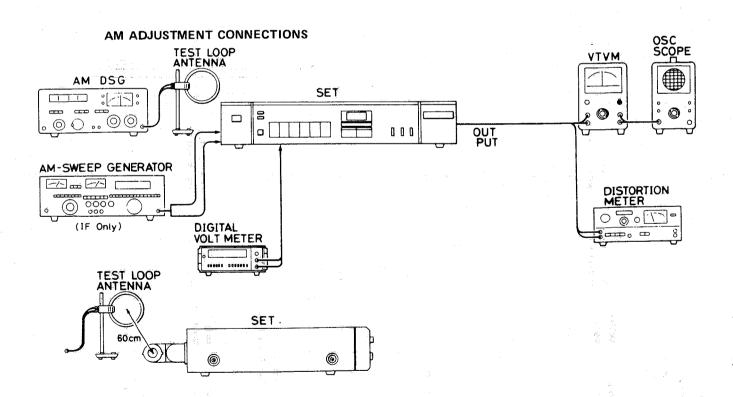
Power requirements ..... AC 18 V, 50 Hz

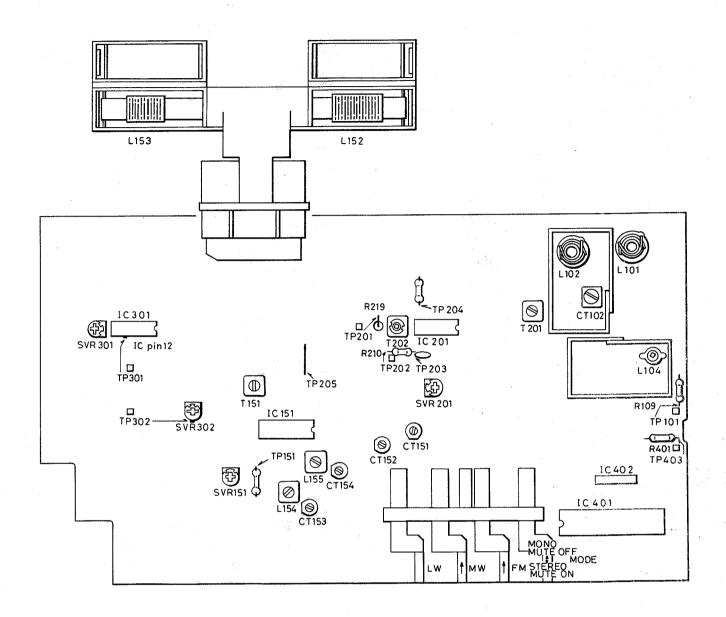
Weight (Approx.) . . . . . . . . . . . . . 2.2 kg (5 lbs.)

- Specifications subject to change without notice.

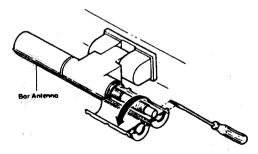
## **FM ADJUSTMENT CONNECTIONS**

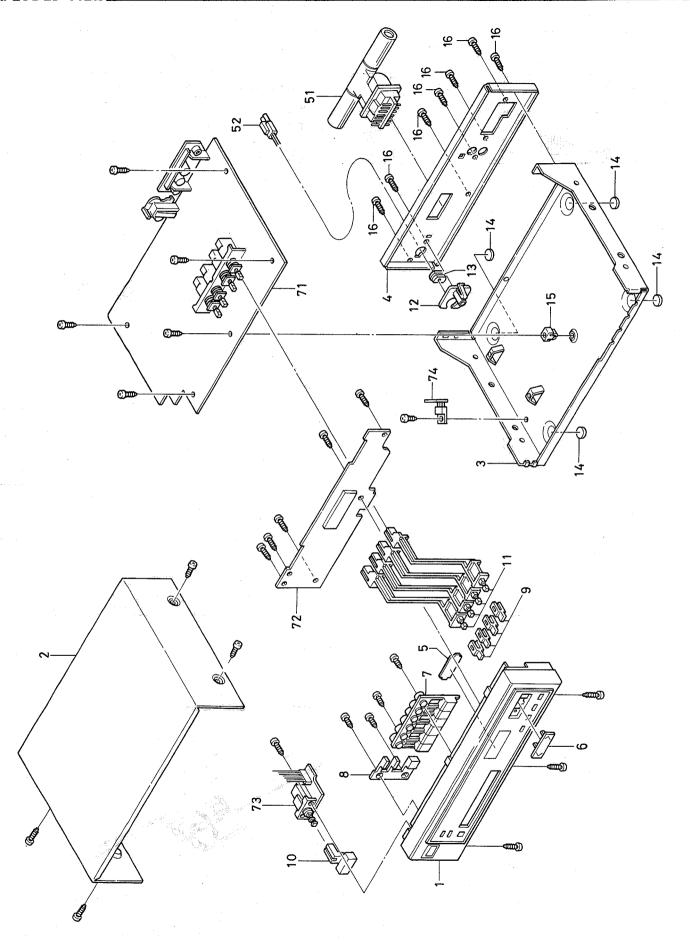






## Removal of antenna cover





#### PRODUCT SAFETY NOTICE

Each precaution in this manual should be followed during servicing. Components identified with the IEC symbol  $\triangle$  in the parts list and the schematic diagram designate components in which safety can be of special significance. When replacing a component identified with  $\triangle$ , use only the replacement parts designated, or parts with the same ratings of resistance, wattage or voltage that are designated in the parts list in this manual.

Leakage-current or resistance measurements must be made to determine that exposed parts are acceptably insulated from the supply circuit before returning the product to the customer.

## **ELECTRICAL PARTS**

#### NOTE:

\* Materials of Capacitors are abbreviated as follows;

Elect., .... Electrolytic Capacitor

NP. Elect., ... Non-Polarized Electrolytic Capacitor

Mylar ... Mylar Film Capacitor

Polypro ... Polypropylene Capacitor

M. Polypro ... Metallized Polypropylene Capacitor

TF ... Thin Film Capacitor

EDL..... Electric Double Layer Capacitor

\* Tolerance of Capacitor, Resistors and Other parts are noted with follow symboles;

A+75-10%	M±20%
F±1%	N±30%
G±2%	P+100-0%
J±5%	Z+80-20%
K±10%	

#### PACKING & ACCESSORIES

Ref. No.	Parts No.	Description
or	141 6 133T 61601 141 6 144T 96300 141 6 144T 96400 141 6 235T 40501 141 6 235T 40506 141 6 231T 25350 141 6 415T 23500 141 6 405T 32301 141 6 409T 13401 4 243T 13378 4 245T 00700	INNER CORR CASE FOAM PLASTIC CASE, R FOAM PLASTIC CASE, L INNER POLYE LAMINA COVER, SET INNER POLYE LAMINA COVER, SET INNER POLYE COVER, ACCESSORY NOTICE, NORWAY NOTICE, NEW FTZ INST MANUAL LEAD CORD ANT, FM

## **CABINET & CHASSIS**

CVDHALL	& UliASSIS	
Ref. No.	Parts No.	Description
1	141 0 122T 56201	FRONT PANEL ASSY
1-1	BJB2S++3+8+Z1	S T BIND H 3X8Z1
2	141 2 111T 61441	CABINET
2-1	BJB2S++3+8+N1	S T BIND H 3X8N1
3	141 2 125T 36500	BOTTOM LID
4	141 2 126T 51101	BACK LID
5	141 2 131T 46300	CLEAR WINDOW, DISPLAY
6	141 2 156T 34900	CUP KNOB, UP/DOWN
7	141 2 160T 47100	PUSH BUTTON, PRESET
7-1	BJN2S2R6+6+Z1	S T PAN H 2.6X6Z1
8	141 2 160T 47300	PUSH BUTTON, MEMORY
8-1	BJN2S2R6+6+Z1	STPANH 2.6X6Z1
9	141 2 160T 09701	PUSH BUTTON, BAND
10	141 2 160T 38900	PUSH BUTTON, POWER SW.
11	141 2 253T 40300	JOINT
12	141 2 210T 58100	BRACKET, AC CORD
13	141 2 464T 29700	FIXER, AC CORD
14	141 2 174T 13100	STAND
15	141 2 210T 08900	BRACKET, PCB STAND
16	141 2 421T 43901	SPECIAL SCREW
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<u> </u>	<u> </u>	<u> 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 </u>

## **ELECTRICAL PARTS**

Ref. No.	Parts No.	Description
51 52	4 257T 61700 4 236T 27500	ANT COIL, AM PLUG, AC 18V (P1)

## TUNER MAIN P.C.B. ASSY

Ref. No.	Parts No.	Description
71	141 4 280T 49703	P.C BOARD ASSY, TUNER MAIN
	BJB2S++3+8+Z1	S T BIND H 3X8Z1
	141 2 322T 18900	SHIELD PLATE, FM PARTS SIDE
	141 2 322T 72100	SHIELD PLATE, FM SOLDER SIDE
	141 2 322T 72101	SHIELD PLATE, COVER
	141 2 382T 20200	TERMINAL, EXT-ANT. (JK1)
	4 240T 50300	SOCKET, AF OUT (JK2)
	4 238T 82900	PUSH SWITCH, BAND (S1)
	4 237T 00100	TERMINAL BOARD, TEST PIN
CT102	4 224R 11600	TRIMMER SPF, BK
CT151	4 224T 15400	TRIMMER 30PF, GR
or	4 224T 15471	TRIMMER 30PF, GR
CT152	4 224T 15500	TRIMMER 11PF, WH
or	4 224T 15571	TRIMMER 11PF, WH
CT153	4 224T 15400	TRIMMER 30PF, GR
or	4 224T 15471	TRIMMER 30PF, GR
CT154	4 224T 15500	TRIMMER 11PF, WH
or		TRIMMER 11PF, WH
T151	4 256T 26449	
T201	4 256T 35040	IFT
T202	4 256T 33640	
T203	4 255T 05240	MX COIL
L101	4 265T 56240	VHF COIL
L102	4 265T 56340	VHF COIL
L103	4 253T 15012	FILTER
L104		VHF COIL
L151	4 253T 15020	FILTER
L154	4 258T 49540	OSC COIL
L155	4 258T 44649	The state of the s
L156		FILTER
L301	4 253T 15020	
L302		FILTER
L401	4 253T 15020	FILTER

Ref. No.	Parts No.	Description	Ref. No.	Parts No.	Description
L402	4 253T 15020	FILTER	C104	CC+50102KRYBF	CERAMIC 0.001 MF 50V K R YB
X151	4 256T 83772	IF FILTER	C105	CC+50030CRSLF	CERAMIC 3PF 50V C R SL
X201	4 256T 81080	IF FILTER	C107	CC+50220JRSLF	CERAMIC 22PF 50V J R SL
X202	4 256T 81080	IF FILTER	C108	CC+50101KRSLF	CERAMIC 100PF 50V K R SL
X203	4 256T 81080	IF FILTER	C110	CC+50100DRCHF	CERAMIC 10PF 50V D R CH
X401	4 225T 06200	CRYSTAL	C111	CC+50102KRYBF CC+50103ZRYFF	CERAMIC 0.001 MF 50V K R YB CERAMIC 0.01 MF 50V Z R YF
SVR151 SVR201	4 220T 15182 4 220T 15182	SEMI V.R, 10K OHM (B)   SEMI V.R, 10K OHM (B)	C113 C114	CC+501032R7FF	CERAMIC 2PF 50V C R CK
SVR201	4 220T 15178	SEMI V.R, 2.2K OHM (B)	C115	CC+50100DRCHF	CERAMIC 10PF 50V D R CH
SVR302	4 220T 15182	SEMI V.R, 10K OHM (B)	C116	CC+50050CDVKS	CERAMIC 5PF 50V C D VK
CN2	4 240T 83575	SOCKET 5P	C117	CC+50220JRCHF	CERAMIC 22PF 50V J R CH
CN3	4 240T 83575	SOCKET 5P	C118	CC+50103ZRYFF	CERAMIC 0.01MF 50V Z R YF
CN5	4 240T 83575	SOCKET 5P	C119	CC+50103ZRYFF	CERAMIC 0.01MF 50V Z R YF
CN7	4 240T 83576	SOCKET, 6P	C120	CC+50103ZRYFF	CERAMIC 0.01MF 50V Z R YF
CN9	4 240T 83576	SOCKET, 6P	C121	CC+50101KRSLF	CERAMIC 100PF 50V K R SL
CN11	4 240T 83574	SOCKET 4P	C122	CC+50103ZRYFF	CERAMIC 0.01 MF 50V Z R YF
CN13	4 240T 83575	SOCKET 5P	C125	CC+50103ZRYFF	CERAMIC 0.01MF 50V Z YF CERAMIC 10PF 50V K R SL
CN15 IC151	4 240T 83573 SILA1245+++++	SOCKET, 3P IC LA1245 DIP20	C151 C152	CC+50100KRSLF CB+25473MR++F	BC CON 0.047MF 25V M R
IC201	SILA1232+++++	IC LA1232 DIP16	C152	CB+25223MR++F	BC CON 0.022MF 25V M R
IC301	SIBA1332+++++	IC BA1332 DIP16	C154	CN100511JR++F	P P CON 510PF 100V J R
IC401	SITC9147P++++	IC TC9147P DIP42	C155	CN100331JR++F	P P CON 330PF 100V J R
IC402	SITD6104P++++	IC TD6104P SIP7	C156	CC+50200JDUJS	CERAMIC 20PF 50V J D UJ
Q101	SF2K212+++F++	FET 2SK212 F	C157	CC+50330JDVKS	CERAMIC 33PF 50V J D VK
Q102	STC2999E++++T	TR 2SC2999 E T	C158	CC+50102KRYBF	CERAMIC 0.001 MF 50V K R YB
Q103	SF2K212+++F++	FET 2SK212 F	C159	CB+25473MR++F	BC CON 0.047MF 25V M R
Q104	STC930+E+++C1	TR 2SC930 E CONV SP	C160	CB+25223MR++F	BC CON 0.022MF 25V M R
Q105	STC2999E++++T	TR 2SC2999 E T	C161	CB+25223MR++F	BC CON 0.022MF 25V M R
Q151	STC536+G+++UB	TR 2SC536 G AUD B SP	C162	CB+25473MR++F	BC CON 0.047MF 25V M R
Q152	STC536+G+++UB	TR 2SC536 G AUD B SP TR 2SC930 E IF SP	C163 C164	CB+25223MR++F CB+25103MR++F	BC CON 0.022MF 25V M R BC CON 0.01MF 25V M R
Q201 Q202	STC930+E+++F1 STC536+G+++UB	TR 2SC536 G AUD B SP	C165	CB+25103MR++F	BC CON 0.047MF 25V M R
Q202 Q203	STC536+G+++UB	TR 2SC536 G AUD B SP	C166	CE+25475MR++F	ELECT 4.7MF 25V M R
Q301	STC536+G+++UB	TR 2SC536 G AUD B SP	C167	CE+25475MR++F	ELECT 4.7MF 25V M R
Q302	STC536+G+++UB	TR 2SC536 G AUD B SP	C168	CB+25473MR++F	BC CON 0.047MF 25V M R
Q303	STC3330U++++T	TR 2SC3330 U T	C169	CB+25473MR++F	BC CON 0.047MF 25V M R
Q304	STC3330U++++T	TR 2SC3330 U T	C170	CE+16107MR++F	ELECT 100MF 16V M R
Q351	STA608+F++++B	TR 2SA608 F B SP	C171	CB+25103MAXR+	BC CON 0.01 MF 25V M A XR
Q352	STC536+G+++UB	TR 2SC536 G AUD B SP	C172	CC+50102KRYBF	CERAMIC 0.001 MF 50V K R YB
Q401	SF2K222+++D++	FET 2SK222 D	C173	CB+25103MR++F	BC CON 0.01MF 25V M R
Q402 Q403	STC1571F+++++ STC536+G+++UB	TR 2SC1571 F TR 2SC536 G AUD B SP	C174 C175	CE+50105MR++F CE+25475MR++F	ELECT 1MF 50V M R ELECT 4.7MF 25V M R
Q403 Q901	STC536+G+++UB	TR 2SC536 G AUD B SP	C175	CC+50471KAYB+	CERAMIC 470PF 50V K A YB
Q902	STC536+G+++UB	TR 2SC536 G AUD B SP	C178	CB+25223MR++F	BC CON 0.022MF 25V M R
Q903	STC536+G+++UT	TR 2SC536 G AUD T NP	C179	CC+50680JRCHF	CERAMIC 68PF 50V J R CH F
D101	SCSVC211B+++1	VARACTOR DIODE SVC211B SP	C180	CC+50560KRSLF	CERAMIC 56PF 50V K R SL
D102	SCSVC211B+++1	VARACTOR DIODE SVC211B SP	C181	CB+25223MR++F	BC CON 0.022MF 25V M R
D103	SCSVC211B+++1	VARACTOR DIODE SVC211B SP	C201	CC+50103ZRYFF	CERAMIC 0.01MF 50V Z R YF
D104	SDDS442+X+++T	DIODE DS442 X	C202	CC+50103ZRYFF	CERAMIC 0.01MF 50V Z R YF
D151	SCKV1236Z2+++	VARACTOR DIODE KV1236 Z2	C203	CC+50223ZRYFF	CERAMIC 0.022MF 50V Z R YF
D153	SDDS442+X+++T	DIODE DS442 X DIODE DS442 X	C204	CC+50223ZRYFF CC+50223ZRYFF	CERAMIC 0.022MF 50V Z R YF CERAMIC 0.022MF 50V Z R YF
D154 D155	SDDS442+X+++T SDDS442+X+++T	DIODE DS442 X	C205	CC+502232RYFF	CERAMIC 100PF 50V K R SL
D201	SDDS442+X+++T	DIODE DS442 X	C208	CE+16106MR++F	ELECT 10MF 16V M R
D301	SDDS442+X+++T	DIODE DS442 X	C208	CE+25475MR++F	ELECT 4.7MF 25V M R
D354	SDDS442+X+++T	DIODE DS442 X	C209	CC+50103ZRYFF	CERAMIC 0.01MF 50V Z R YF
D401	SDDS442+X+++T	DIODE DS442 X	C210	CC+50223ZRYFF	CERAMIC 0.022MF 50V Z R YF
D402	SDDS442+X+++T	DIODE DS442 X	C211	CE+16107MR++F	ELECT 100MF 16V M R
D403	SDDS442+X+++T	DIODE DS442 X	C212	CC+50223ZRYFF	CERAMIC 0.022MF 50V Z R YF
D404	SDDS442+X+++T	DIODE DS442 X	C213	CC+50102KRYBF	CERAMIC 0.001 MF 50V K R YB
D405	SDDS442+X+++T	DIODE DS442 X	C214	CE+16106MR++F	ELECT 10MF 16V M R
D406 D407	SDDS442+X+++T	DIODE DS442 X	C216	CE+50105MR++F	CERAMIC O 022ME 50V Z R VE
D407 D901	SDDS442+X+++T	DIODE DS442 X DIODE DSF10 B T	C217 C218	CC+50223ZRYFF CC+50223ZRYFF	CERAMIC 0.022MF 50V Z R YF CERAMIC 0.022MF 50V Z R YF
D901	⚠ SDDSF10+B+++T	DIODE DSF10 B T	C218	CE+50474MR++F	ELECT 0.47MF 50V M R
D903	⚠ SDDSF10+B+++T	DIODE DSF10 B T	C301	CE+16106MR++F	ELECT 10MF 16V M R
D904	⚠ SDDSF10+B+++T	DIODE DSF10 B T	C303	CE+16107MR++F	ELECT 100MF 16V M R
D905	SDDS135+D+++L	DIODE DS135 D L	C304	CB+25103MR++F	BC CON 0.01MF 25V M R
D906	SDDS442+X+++T	DIODE DS442 X	C305	CB+25103MR++F	BC CON 0.01MF 25V M R
D907	SDDS442+X+++T	DIODE DS442 X	C306	CB+25223MR++F	BC CON 0.022MF 25V M R
C101	CC+50010CRSLF	CERAMIC 1PF 50V C R SL	C308	CN100102JR++F	P P CON 1000PF 100V J R
C102	CC+50101KRSLF	CERAMIC 100PF 50V K R SL	C309	CE+50474MR++F	ELECT 0.47MF 50V M R
C103	CC+50101KRSLF	CERAMIC 100PF 50V K R SL	C310	CE+50105MR++F	ELECT 1 MF 50V M R
			C311	CE+50105MR++F	ELECT 1MF 50V M R

	Ref. No.	Parts No.	Description	_
1	R165	RC/+4562JT++R	CARBON T 5.6K OHM J 1/4W	-
1	R166	RC/+4102JT++R	CARBON T 1K OHM J 1/4W	
1	R167	RC/+4103JT++R	CARBON T 10K OHM J 1/4W	
1	R168	RC/+4122JT++R	CARBON T 1.2K OHM J 1/4W	
	R169	RF/+2121JSFP+	FP-CARBON S 120 OHM J 1/2W	
1	R170	RC/+4821JT++R	CARBON T 820 OHM J 1/4W	
1	R171	RC/+4333JT++R	CARBON T 33K OHM J 1/4W	
	R172	RC/+4103JT++R	CARBON T 10K OHM J 1/4W	
	R201	RC/+4561JT++R RC/+4102JT++R	CARBON T 330 OHM J 1/4W CARBON T 1K OHM J 1/4W	
1	R202 R203	RC/+4334JT++R	CARBON T 330K OHM J 1/4W	
	R204	RC/+4331JT++R	CARBON T 330 OHM J 1/4W	
	R205	RC/+4331JT++R	CARBON T 330 OHM J 1/4W	
	R206	RC/+4331JT++R	CARBON T 330 OHM J 1/4W	
	R207	RC/+4563JT++R	CARBON T 56K OHM J 1/4W	
	R208	RC/+4563JT++R	CARBON T 56K OHM J 1/4W	
	R209	RC/+4153JT++R RC/+4103JT++R	CARBON T 15K OHM J 1/4W CARBON T 10K OHM J 1/4W	
	R210 R211	RC/+4333JT++R	CARBON T 33K OHM J 1/4W	
	R212	RC/+4273JT++R	CARBON T 27K OHM J 1/4W	
	R213	RF/+2121JSFP+	FP-CARBON S 120 OHM J 1/2W	
	R214	RC/+4104JT++R	CARBON T 100K OHM J 1/4W	
	R215	RC/+4103JT++R	CARBON T 10K OHM J 1/4W	
	R216	RC/+4103JT++R	CARBON T 10K OHM J 1/4W	
	R217	RC/+4104JT++R	CARBON T 100K OHM J 1/4W CARBON T 100K OHM J 1/4W	
	R218 R219	RC/+4104JT++R RC/+4124JT++R	CARBON T 120K OHM J 1/4W	
	R220	RF/+2121JSFP+	FP-CARBON S 120 OHM J 1/2W	
	R221	RC/+4563JT++R	CARBON T 56K OHM J 1/4W	
	R301	RF/+2121JSFP+	FP-CARBON S 120 OHM J 1/2W	
	R302	RC/+4472JT++R	CARBON T 4.7K OHM J 1/4W	
	R303	RC/+4472JT++R	CARBON T 4.7K OHM J 1/4W	
	R304	RC/+4223JT++R	CARBON T 22K OHM J 1/4W	
	R305	RC/+4822JT++R RC/+4102JT++R	CARBON T 8.2K OHM J 1/4W CARBON T 1K OHM J 1/4W	
	R306 R307	RC/+4564JT++R	CARBON T 560K OHM J 1/4W	
	R308	RC/+4822JT++R	CARBON T 8.2K OHM J 1/4W	
	R309	RC/+4822JT++R	CARBON T 8.2K OHM J 1/4W	
	R310	RC/+4822JT++R	CARBON T 8.2K OHM J 1/4W	
	R311	RC/+4822JT++R	CARBON T 8.2K OHM J 1/4W CARBON T 560K OHM J 1/4W	
	R312 R313	RC/+4564JT++R RC/+4564JT++R	CARBON T 560K OHM J 1/4W	
	R314	RC/+4222JT++R	CARBON T 2.2K OHM J 1/4W	
	R315	RC/+4222JT++R	CARBON T 2.2K OHM J 1/4W	
	R316	RC/+4331JT++R	CARBON T 330 OHM J 1/4W	
	R317	RC/+4331JT++R	CARBON T 330 OHM J 1/4W CARBON T 100K OHM J 1/4W	
	R318 R319	RC/+4104JT++R RC/+4104JT++R	CARBON T 100K OHM J 1/4W	
	R320	RC/+4332JT++R	CARBON T 3.3K OHM J 1/4W	
	R321	RC/+4332JT++R	CARBON T 3.3K OHM J 1/4W	
	R351	RC/+4104JT++R	CARBON T 100K OHM J 1/4W	
	R352	RC/+4101JT++R	CARBON T 100 OHM J 1/4W	
	R353	RC/+4104JT++R	CARBON T 100K OHM J 1/4W	
	R354	RC/+4104JT++R	CARBON T 100K OHM J 1/4W CARBON T 100K OHM J 1/4W	
	R355 R356	RC/+4104JT++R RC/+4271JT++R	CARBON T 270 OHM J 1/4W	
	R401	RC/+4472JT++R	CARBON T 4.7K OHM J 1/4W	
	R402	RC/+4822JT++R	CARBON T 8.2K OHM J 1/4W	
	R403	RC/+4472JT++R	CARBON T 4.7K OHM J 1/4W	
	R404	RC/+4822JT++R	CARBON T 8.2K OHM J 1/4W	
	R405	RC/+4472JT++R	CARBON T 4.7K OHM J 1/4W	
	R406	RC/+4822JT++R RC/+4104JT++R	CARBON T 8.2K OHM J 1/4W CARBON T 100K OHM J 1/4W	
	R407	RC/+4104JT++R	CARBON T 100K OHM J 1/4W	
	R409	RC/+4104JT++R	CARBON T 100K OHM J 1/4W	
	R410	RC/+4563JT++R	CARBON T 56K OHM J 1/4W	
	R411	RC/+4563JT++R	CARBON T 56K OHM J 1/4W	
	R412	RC/+4153JT++R	CARBON T 15K OHM J 1/4W	
	R413	RC/+4332JT++R RC/+4101JT++R	CARBON T 3.3K OHM J 1/4W CARBON T 100 OHM J 1/4W	
	R414 R415	RC/+4101J1++R	1	
	R416	RC/+4473JT++R	CARBON T 47K OHM J 1/4W	
	R417	RC/+4153JT++R	CARBON T 15K OHM J 1/4W	
_	R425	RC/+4222JT++R	CARBON T 2.2K OHM J 1/4W	

PARTS LIST

Ref. No.	Parts No.	Description
R426 R427 R428 R429 R430 R431 R432 R433 R902 R903 R904 R905 R907 R908 R909 R910 R911	RC/+4222JT++R RC/+4104JT++R RC/+4273JT++R RC/+4102JT++R RC/+4102JT++R RF/+2121JSFP+ RC/+4104JT++R	CARBON T 2.2K OHM J 1/4W CARBON T 100K OHM J 1/4W CARBON T 27K OHM J 1/4W CARBON T 1K OHM J 1/4W CARBON T 1K OHM J 1/4W CARBON T 1.2K OHM J 1/4W FP-CARBON S 120 OHM J 1/2W CARBON T 100K OHM J 1/4W CARBON T 100K OHM J 1/4W CARBON T 10K OHM J 1/4W CARBON T 10OK OHM J 1/4W CARBON T 1K OHM J 1/4W
R912 R913 R914 R915	RC/+4332JT++R RC/+4104JT++R RM++1820JS+++ RC/+4562JT++R	CARBON T 3.3K OHM J 1/4W CARBON T 100K OHM J 1/4W METAL S 82 OHM J 1W CARBON T 5.6K OHM J 1/4W

## DISPLAY P.C.B. ASSY

Ref.	Parts No.	Description
No.		
72	141 4 280T 49872	P.C BOARD ASSY, DISPLAY
	BJB2S++3+8+Z1	S T BIND H 3X8Z1
	141 2 210T 58000	BRACKET
	141 2 382T 22200	TERMINAL
	141 2 382T 22300	TERMINAL
	4 238T 70873	SWITCH (S4)
	4 238T 70873	SWITCH (S5)
	4 238T 70873	SWITCH (S6)
	4 238T 70873	SWITCH (S7)
	4 238T 69800	SWITCH (S8)
	4 238T 69800	SWITCH (S9)
	4 238T 69800	SWITCH (S10)
	4 238T 69800	SWITCH (S11)
	4 238T 70873	SWITCH (S12)
	4 238T 69800	SWITCH (S13)
	4 238T 69800	SWITCH (S14)
CN4	4 240T 83575	SOCKET 5P
CN6	4 240T 83575	SOCKET 5P
CN8	4 240T 83576	SOCKET, 6P
CN10	4 240T 83576	SOCKET, 6P
CN12	4 240T 83572	SOCKET, 2P
IC451	SITD6301AP+++	IC TD6301AP DIP28
0451	STC536+G+++UB	TR 2SC536 G AUD B SP
0452	STC536+G+++UB	TR 2SC536 G AUD B SP
0453	STC536+G+++UB	TR 2SC536 G AUD B SP
D451	SLSLP138CB5RE	LED SLP138C-51 B RE
D452	SLSLP138CB5RE	LED SLP138C-51 B RE
D453	SLSLP138CB5RE	LED SLP138C-51 B RE
D454	SLSLP138CB5RE	LED SLP138C-51 B RE
D455	SLSLP138CB5RE	LED SLP138C-51 B RE
D456	SLSP236BB51GR	LED SLP236B-51 B GR
D450	SLSP236BB51GR	LED SLP236B-51 B GR
D457	SLSLP138CB5RE	LED SLP138C-51 B RE
D459	SLSLP138CB5RE	LED SLP138C-51 B RE
D459	SLSLP138CB5RE	LED SLP138C-51 B RE
D460	SLSLP138CB5RE	LED SLP138C-51 B RE
D461 D462	SLSLP138CB5RE	LED SLP138C-51 B RE
D462 D463	SLSLP138CB5RE	LED SLP138C-51 B RE
		LED SLP138C-51 B RE
D464	SLSLP138CB5RE	
D470	SLSL2529K++GR	CERAMIC 100PF 50V J A SL
C451		CERAMIC 100FF 50V J A SL
C452		CERAMIC 100FF 50V J A SL
C453	CCTSUIUIJASLT	GERAINIG TOUFF SUV J A SE

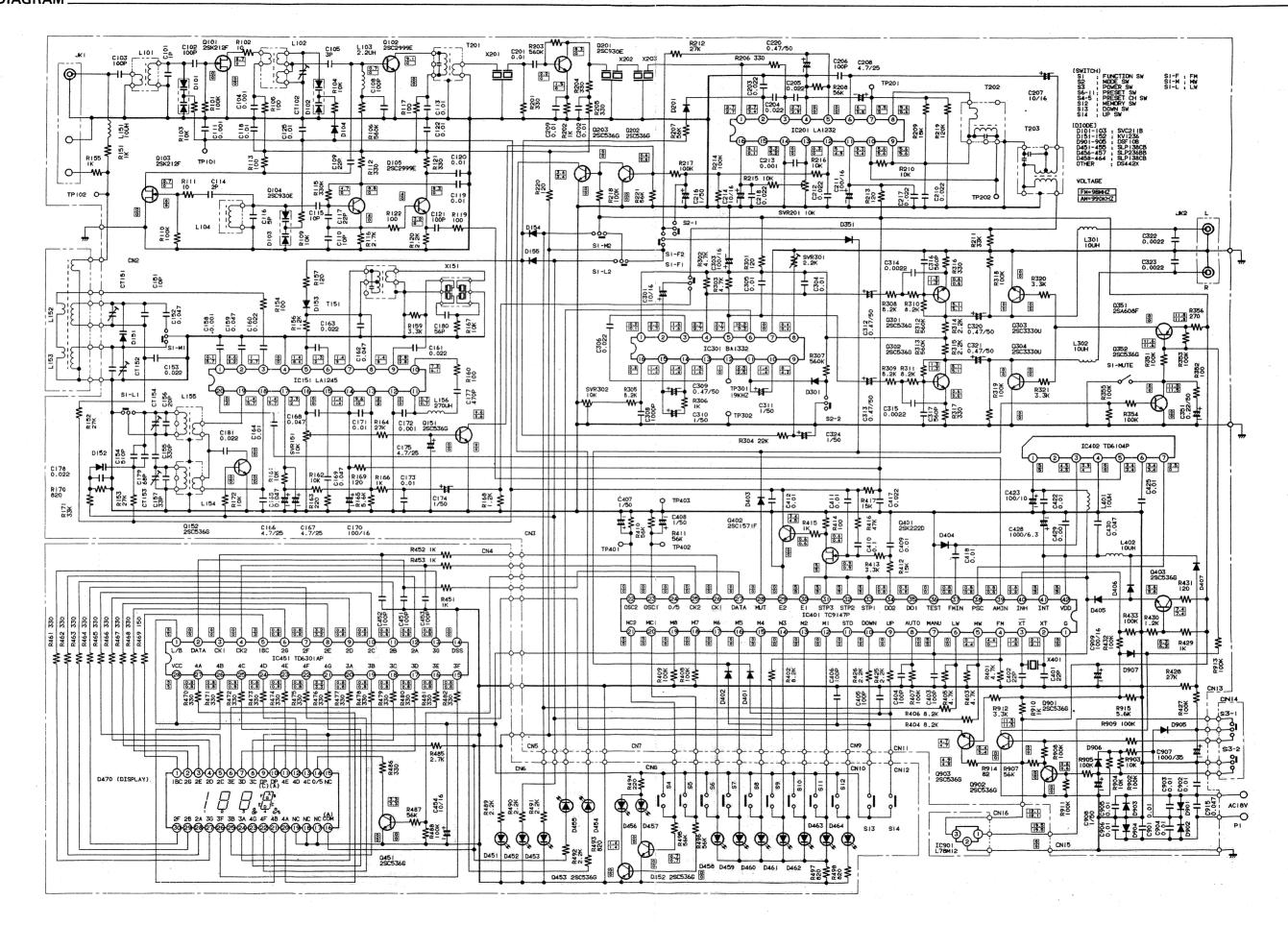
Ref. No.	Parts No.	Description
C454	CE+16106MY++S	ELECT 10MF 16V M Y
R451	RC/+4102JT++R	CARBON T 1K OHM J 1/4W
R452	RC/+4102JT++R	CARBON T 1K OHM J 1/4W
R453	RC/+4102JT++R	CARBON T 1K OHM J 1/4W
R461	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R462	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R463	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R464	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R465	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R466	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R467	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R468	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R469	RC/+4151JT++R	CARBON T 150 OHM J 1/4W
R470	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R471	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R472	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R473	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R474	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R475	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R476	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R477	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R478	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R479	RC/+4331JT++R	CARBON T 330 OHM J 1/4W CARBON T 330 OHM J 1/4W
R480	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R481	RC/+4331JT++R RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R482	RC/+4331JT++R RC/+4272JT++R	CARBON T 2.7K OHM J 1/4W
R485	RC/+4272JT++R RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R486	RC/+4331JT++R	CARBON T 56K OHM J 1/4W
R487 R488	RC/+43033T++R	CARBON T 100K OHM J 1/4W
R489	RC/+4222JT++R	CARBON T 2.2K OHM J 1/4W
R490	RC/+4222JT++R	CARBON T 2.2K OHM J 1/4W
R491	RC/+4222JT++R	CARBON T 2.2K OHM J 1/4W
R492	RC/+4222JT++R	CARBON T 2.2K OHM J 1/4W
R493	RC/+4821JT++R	CARBON T 820 OHM J 1/4W
R494	RC/+4221JT++R	CARBON T 220 OHM J 1/4W
R495	RC/+4563JT++R	CARBON T 56K OHM J 1/4W
R496	RC/+4563JT++R	CARBON T 56K OHM J 1/4W
R497	RC/+4821JT++R	CARBON T 820 OHM J 1/4W
R498	RC/+4821JT++R	CARBON T 820 OHM J 1/4W
2		·

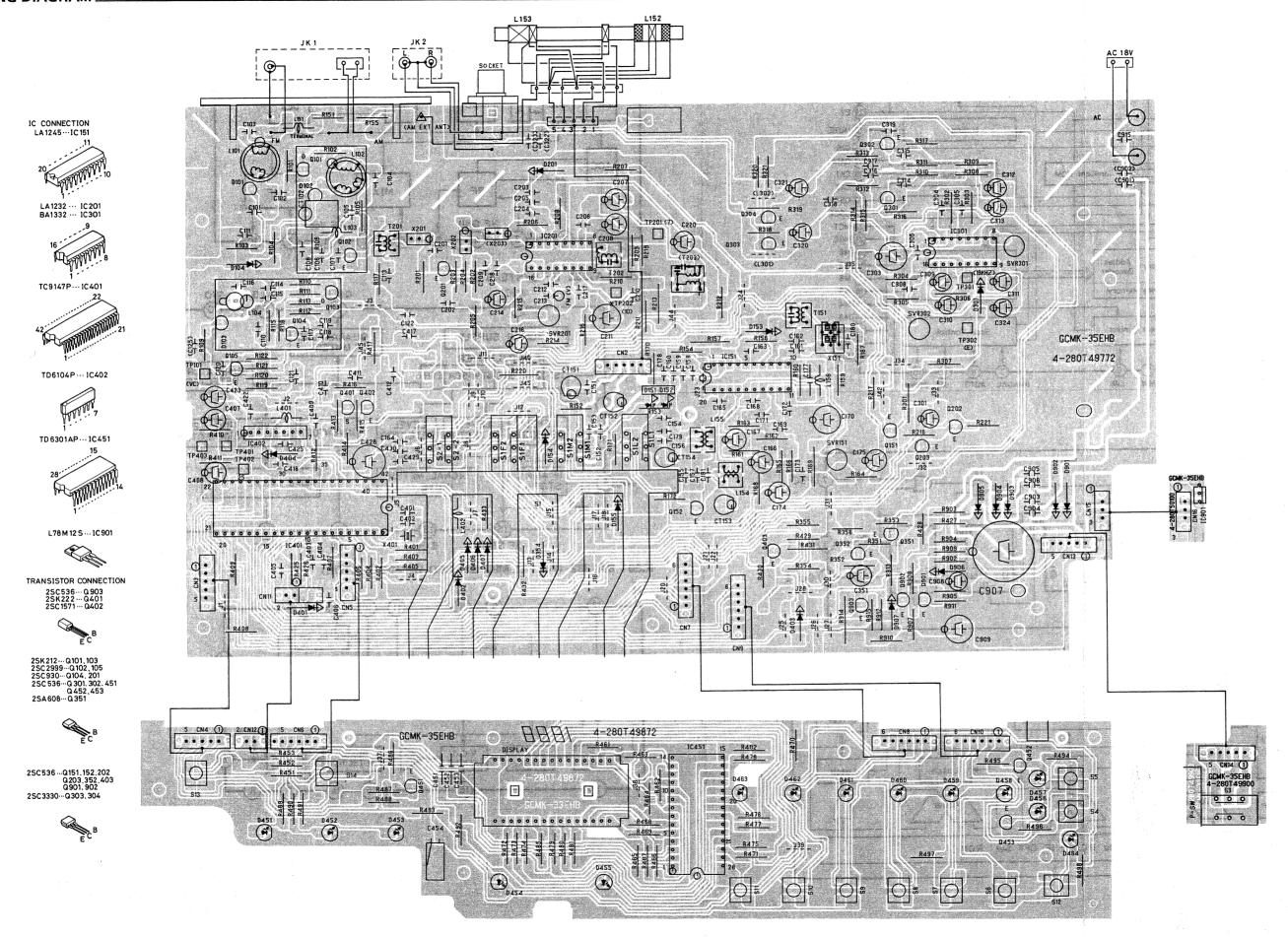
## POWER SW. P.C.B. ASSY

Ref. No.	Parts No.	Description
73 CN14	141 4 280T 49900 BJB2S++3+8+Z1 ⚠ 4 238T 83100 4 240T 83575	P.C BOARD ASSY, POWER SW. S T BI ND H 3X8Z1 PUSH SWITCH, POWER (S3) SOCKET 5P

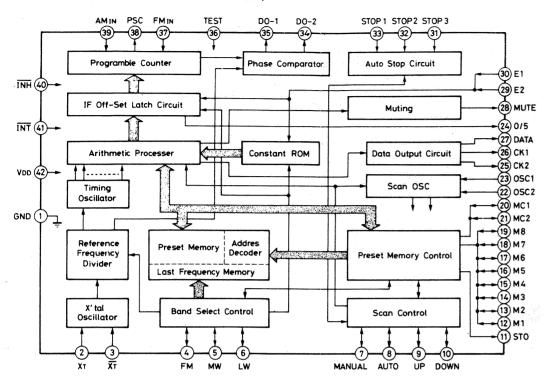
## IC P.C.B. ASSY

Ref. No.	Parts No.	Description
74 CN16 IC901	141 4 280T 50100 BJB2S++3+4+Z1 4 240T 83573 SIL78M12S++++	P.C BOARD ASSY, IC S T BI ND H 3X4Z1 SOCKET, 3P IC L78M12S TO-220AB
		\$ ************************************

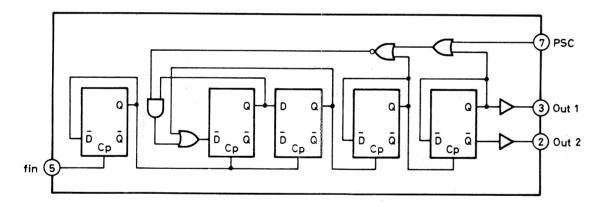




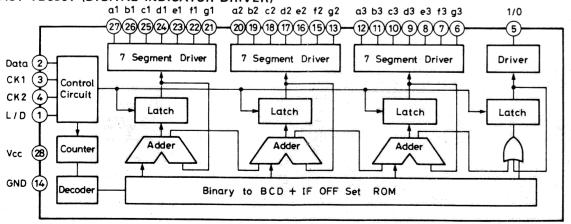
### IC401 TC9147 (DIGITAL TUNING SYSTEM)



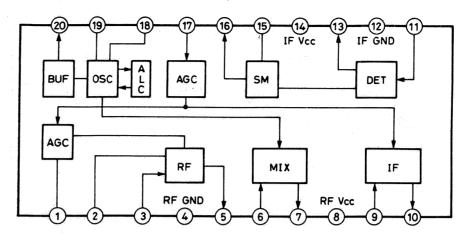
### IC402 TD6104 (FM PRE-SCALER)



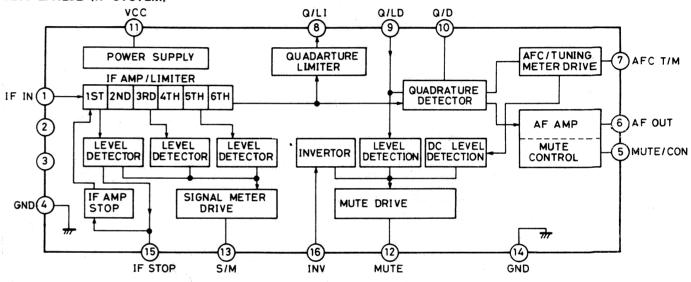
## IC451 TD6301 (DIGITAL INDICATOR DRIVER)



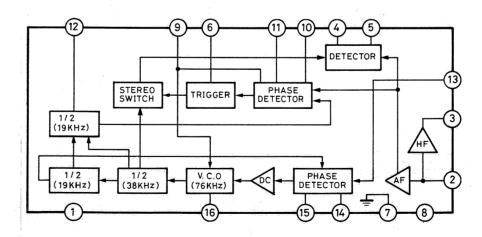
## IC151 LA1245 (AM TUNER SYSTEM)



## IC201 LA1232 (IF SYSTEM)



### IC301 BA1332 (FM PLL-MPX STEREO DEMODULATOR)



SANYO ELECTRIC TRADING CO., LTD. 33, Hiyoshi-cho, 2-chome, Mori guchi-shi, Osaka-fu, 570 Japan Aug./'84/2200 NS Printed in Japan.